

Gas-filled cold-cathode alphabetic character indicator designed to display letter characters by selective glow discharge.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Nixie	
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM CATHODE CURRENT	9 mA
Cold-cathode glow-display section; published electrical values retained as parameters.	

GR12H is a cold-cathode alphabetic character indicator, classified as Nixie for this batch. The supplied sheet provides electrical operating/rating data and display information.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

196X Nixie Random Datasheets

Published test conditions and operating points. Values on this page are preserved as reported by this source.

196X NIXIE RANDOM DATASHEETS

Section 1 · Nixie

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Supply Voltage	250 V	Published datasheet value
Maximum Cathode Current	9 mA	Published datasheet value
Maximum Cathode Current Letter I	5 mA	Published datasheet value
Maximum Cathode Current Letters L and T	5.5 mA	Published datasheet value
Maximum Cathode Current Letters J and F	7.5 mA	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Running Voltage Letter T	170 V	At 4.5 mA
Running Voltage Letters L and T	175 V	At 5.0 mA
Running Voltage Letters J and F	185 V	At 6.25 mA

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker